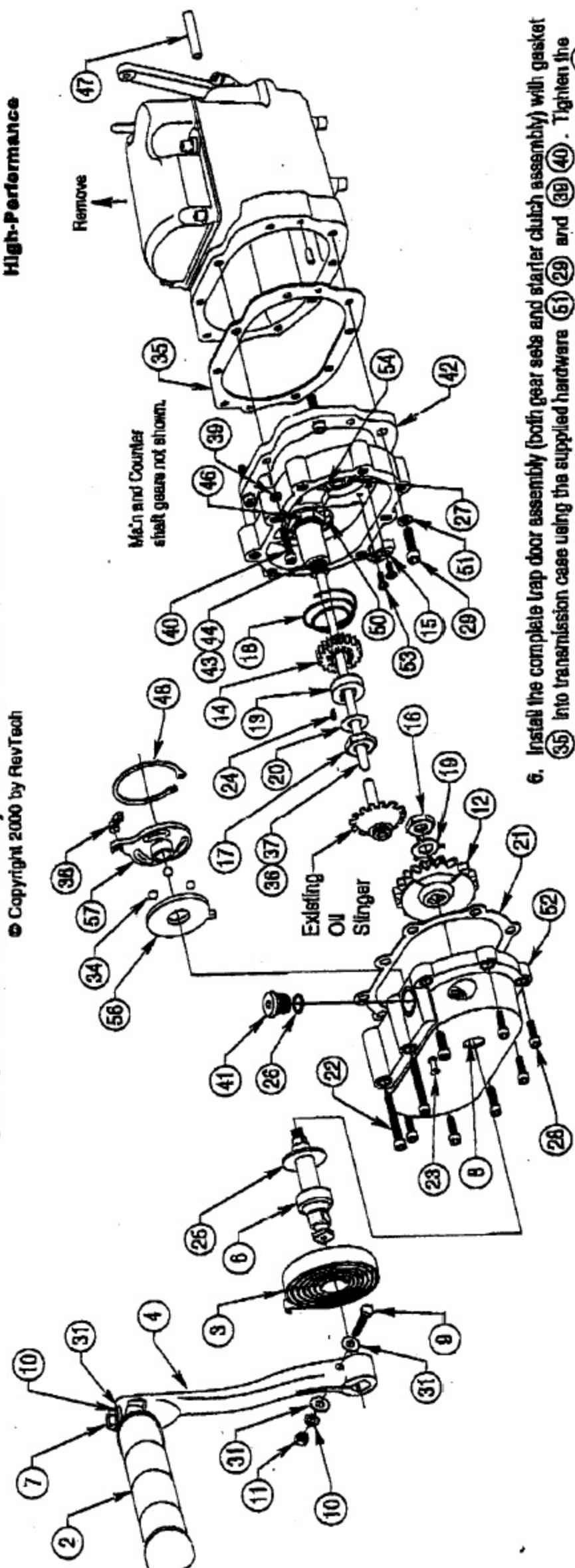


Chrome RevTech® 5-Speed Kick Starter Kit

58-291 Late 1987-1989, 58-292 1990-Present

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IMPORTANT NOTE: Use Loctite™ onto the first three threads of all hardware, before the final assembly.

1. Drain motor oil, primary chain and gear lubricants. Use your proper OEM service manual and remove the existing oil tank, shifter assembly and gear set with trap door from the transmission case.
2. **IMPORTANT:** Note the order and position of each existing gear, thrust washer and retaining clip for re-assembly. Remove all existing gears, thrust washers, bearings and retaining clips from the main shaft and counter shaft.
3. Remove both existing shafts from the existing trap door. Set aside the main shaft and trap door, these items will be replaced with your new kicker trap door and pre-installed main shaft (longer).
4. Note: The supplied main shaft, starter clutch assembly and counter shaft bearings are all pre-installed (Torqued with Loctite™) into the kicker trap door. Remove the kicker cover (52) from the trap door. Install your existing counter shaft with the existing spacer (beveled side down) into the kicker trap door using the existing thrust washer and supplied nylock nut (54). Do not fully tighten at this time.
6. Reassemble all gears onto main shaft and counter shaft accordingly using the existing thrust washers, bearings and the new supplied retaining rings. Refer to your OEM service manual for gear assembly.

6. Install the complete trap door assembly (both gear sets and starter clutch assembly) with gasket (35) into transmission case using the supplied hardware (51) (29) and (38) (40). Tighten the 5/16" screws to 13-16 ft.-lbs. and the 1/4" screws to 7-9 ft.-lbs. Slide the clutch pushrod (36) or (37) through mainshaft. Place the existing oil slinger onto pushrod.
7. Use your OEM service manual and reinstall the existing shift cam and shift forks with the supplied shift rod (longer). Use your OEM service manual for adjusting the shift pawl, if needed. Lock the transmission by engaging two gears. Use Loctite™ then tighten nylock nut (54) to 27-33 ft.-lbs. The kicker cover is pre-assembled except for the kick pedal spring and kick pedal arm. Remove the clutch release ramp retaining ring (48) then remove the release ramp assembly. Fasten the existing clutch cable to the kicker cover. Pull clutch cable end through and attach the cable end to the clutch cable end coupling (39). Attach the clutch cable coupling onto the outer release ramp (57). Reinstall the release ramp assembly into kicker cover using the supplied retaining ring.
8. Slide the clutch push rod assembly out 2-3 inches then reinstall the kicker cover with gasket (21) using the supplied hardware (22) and (28). Tighten these kicker cover screws to 10-12 ft.-lbs. (A minor trim to the existing brake light switch bracket may be necessary). Slide the kick pedal spring (3) onto kicker shaft and attach spring end onto stud (23). Install the kick pedal arm assembly onto kicker shaft using the supplied hardware. For 67-89 Models: Place the clutch push rod extension (47) into opposite side of main shaft. Reinstall all previously removed items and tighten all hardware.
13. We recommend RevTech® motor oil, primary chain and gear lubricants. Note: Before open road use, the motorcycle should be carefully road tested at slow speeds to make sure all gears are operating correctly.



High-Performance

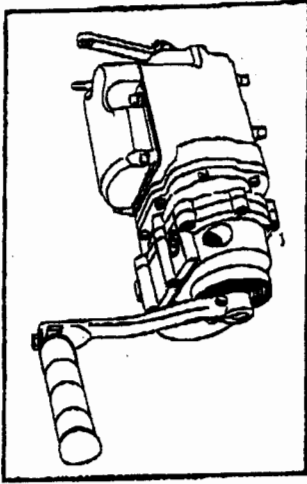
Chrome RevTech® 5-Speed Kick Starter Kit

For All Harley 5-Speed Big Twin Models

58-291 Late 1987-1989

58-292 1990-Present

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Bill Of Materials for 58-291 and 58-292 (1 of 2)

Item #	Qty.	Description	Part #
1	1	O-Ring, Kick Starter Shaft (pre-installed)	12-082
2	1	Kick Pedal Assembly	12-247
3	1	Kick Pedal Spring, Chrome	12-249
4	1	Straight Kick Arm	12-448
6	1	Kicker Shaft	15-076
7	1	Kick Pedal Pin Bolt Kit	16-432
8	1	Bushing Kit, Kicker Shaft (pre-installed)	19-076
9	1	Hex Bolt 3/8"-24x2.0"	25-172
10	2	Lock Washer 3/8", Chrome	25-176
11	1	Hex Nut 3/8"-24	25-184
12	1	Crank Gear, 24 Tooth	25-282
13	1	Starter Clutch	25-285
14	1	Kick Starter Gear, 14 Tooth	25-281
15	1	Bumper Plate	25-285
16	1	Nut, Crank Gear	25-287
17	1	Nut, Starter Clutch	25-288
18	1	Spring, Starter Clutch	25-291
19	1	Lock Washer, Crank Gear	25-389
20	1	Lock Washer, Starter Clutch	25-390
21	1	Gasket, Kicker Cover	25-537
22	2	Socket Head Screw 5/16"-18x2-1/4"	32-124
23	1	Slud, Kicker Spring	25-980
24	1	Key, Starter Clutch Gear	25-981
25	1	Washer, Kicker Shaft	25-982
26	1	O-Ring, Filler Plug	28-060
27	1	Bearing, Counter Shaft (pre-installed)	30-535
28	7	Sockethead Screw 5/16"-18x5/8"	32-112
29	4	Sockethead Screw 5/16"-18x1-1/4"	32-116

Bill Of Materials for 58-291 and 58-292 (2 of 2)

Item #	Qty.	Description	Part #
30	2	Sockethead Screw 5/16"-18x1-1/2"	32-117
31	3	Flat Washer 3/8", Stainless Steel	32-386
32	1	Throwout Bearing Retaining Clip	48-116
33	1	Retaining Ring, Counter Shaft (not shown)	48-110
34	3	Steel Ball Clutch Release Ramp	54-264
35	1	Gasket, Trap Door	54-201
36	1	Clutch Pushrod (Late)	93-848
37	1	Clutch Pushrod (Early)	93-845
38	1	Coupling, Clutch Release Ramp	93-655
39	4	Flat Washer 1/4" ID. x 7/16" OD., Chr.	93-537
40	4	Sockethead Screw 1/4"-20x1-1/8", Chr.	93-562
41	1	Filler Plug, Chrome	93-662
42	1	Kick Starter Trap Door, 5-Speed	93-669
43	1	Kicker Main Shaft, 5-Spd. 80-Up (pre-installed)	92-317
44	1	Kicker Main Shaft, 5-Spd. 87-89 (pre-installed)	92-316
45	1	Tritural Washer, Main Shaft Bearing (not shown)	93-671
46	1	Nylock Nut 7/8"-18, Main Shaft	93-872
47	1	Clutch Pushrod Extension, 67-89 Models	92-318
48	1	Retaining Ring, Clutch Release Ramp	93-629
49	1	Retaining Ring, Trap Door Bearing M/Shaft (n/s)	93-896
50	1	Bearing, Trap Door, Main Shaft (pre-installed)	93-897
51	4	Flat Washer 5/16", Chrome	93-898
52	1	Kicker Cover, 5-Speed	93-821
53	2	Flathead Screw 1/4"-20x5/8" Long, Zinc	93-900
54	1	Nylock Nut 3/4"-16, Counter Shaft	93-510
55	5	Retaining Ring, Gears (not shown)	48-114
56	1	Inner Ramp Clutch Release	93-507
57	1	Outer Ramp Clutch Release	93-535

Five Speed Kick Starter Kit

This kit bolts into any RevTech or OEM style five-speed Big Twin transmission case (except five-speed in a four-speed style case) and utilizes the existing gears. The result is a transformation of your modern existing five-speed into the ultimate retro, classic style with a completely functional kick starter. Therefore enjoying your choice of an electric start or a kick start. The early style kick cover completes the classic look. This kit maintains a smooth shifting gear engagement using the late style ball & ramp clutch cable release mechanism.